

### **Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1-5. (canceled)

6. (previously presented) The method according to claim 15 wherein the ratio between the supplied power to said one or more electrodes and the surface of said electrodes is not greater than  $0,5 \text{ W/cm}^2$ .

7. (previously presented) The method according to claim 15, wherein said time interval is between .5 and 5 minutes.

8-14. (canceled)

15. (previously presented) A method for recovering the permeability of cell walls of muscles under the skin, comprising the steps of:

applying laminar electrodes to the skin;

generating electric current waves in a radio frequency circuit having an electronic switch and a piloting circuit;

supplying a voltage from a rectifier circuit to the radiofrequency circuit;

feeding the voltage from the pilot to the switch of the radiofrequency circuit;

producing in said electric current waves of the radiofrequency circuit a distorted sinusoidal shape and a relatively high frequency of about 4 MHz including harmonics of at least the second and third order;

connecting the distorted electric current waves to the electrodes;

maintaining the distorted electric current waves on the electrodes for a selected time interval and at a power level of about 40-50 W

connecting the one or more electrodes to the electronic device;

circulating in a broadband resonant circuit, said output wave at the frequency of a pure sinusoidal wave of said distorted electric current output wave.